

Title (en)

POSITIVE ELECTRODE MATERIAL AND BATTERY USING SAME

Title (de)

POSITIVELEKTRODENMATERIAL UND BATTERIE DAMIT

Title (fr)

MATÉRIAU D'ÉLECTRODE POSITIVE ET BATTERIE UTILISANT CELUI-CI

Publication

EP 3745508 A1 20201202 (EN)

Application

EP 18902871 A 20181212

Priority

- JP 2018011525 A 20180126
- JP 2018045584 W 20181212

Abstract (en)

The present disclosure provides a cathode material which has improved charge / discharge efficiency; and a battery using the same. The cathode material includes a cathode active material and a first solid electrolyte material; and the first solid electrolyte material contains Li, M and X; however, does not include sulfur. M represents at least one element that is selected from the group consisting of metalloid elements and metal elements other than Li. X represents at least one selected from the group consisting of Cl and Br, and I. The cathode active material includes lithium iron phosphate.

IPC 8 full level

H01M 4/136 (2010.01); **H01B 1/06** (2006.01); **H01M 4/58** (2010.01); **H01M 4/62** (2006.01); **H01M 10/052** (2010.01); **H01M 10/0562** (2010.01)

CPC (source: EP US)

H01B 1/06 (2013.01 - EP); **H01M 4/136** (2013.01 - EP US); **H01M 4/58** (2013.01 - EP); **H01M 4/5825** (2013.01 - US); **H01M 4/62** (2013.01 - EP US); **H01M 10/052** (2013.01 - EP US); **H01M 10/0525** (2013.01 - EP US); **H01M 10/0562** (2013.01 - EP US); **H01M 50/431** (2021.01 - US); **H01M 2004/028** (2013.01 - US); **H01M 2300/0068** (2013.01 - EP); **H01M 2300/008** (2013.01 - US); **H01M 2300/0094** (2013.01 - US); **Y02E 60/10** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3745508 A1 20201202; **EP 3745508 A4 20210317**; CN 111557057 A 20200818; CN 111557057 B 20240419; JP 7217432 B2 20230203; JP WO2019146292 A1 20210114; US 11682764 B2 20230620; US 2020350561 A1 20201105; US 2023268504 A1 20230824; WO 2019146292 A1 20190801

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